OPEN FILE REPORT 79-1029 PLATE 6 OF 19 UNITED STATES BITTER CREEK QUADRANGLE DEPARTMENT OF THE INTERIOR WYOMING-SWEETWATER CO. GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) 4267 II NE (BITTER CREEK NE) 108° 30′ 41° 37′ 30″ 108° 37′30″ R. 100 W. R. 99 W. 41° 37′30″ 18 13 RB 1.56 1.65 R(50%) 0.78 0.84 **EXPLANATION** NON-FEDERAL COAL LAND - Land for which the Federal Government does not own the coal R(50%) 0.91 2.04 1.83 R(50%) 0.07 ISOPACH - Showing thickness of coal, in feet. Arrow points toward area where coal 20 23 bed is 5 feet or more thick. R(50%) 1.44 1.22 2.88 TRACE OF FAULT - Bar and ball on downthrown side when direction of movement is known. Dashed where inferred or approxi-mately located. COAL BED SYMBOLS AND NAMES - Coal beds identified by bracketed numbers are not formally named, but are numbered for identification purposes in this quadrangle only. R(50%) 0.40 02\cdot 0 0.80 R(50%)
0.10 (Measured)
0.04 (Indicated) 28 1.69 27 RB R(50%): 0.20 0.10 0.08 0.04 25 0.84 (Inferred) (sec. 30) IDENTIFIED COAL RESOURCES - Showing totals for Reserve Base (RB) and Reserves (R), in Areal distribution and identified resources map of the Fort Union
[1] coal bed millions of short tons, for each section or part of section of non-leased Federal coal land. Reserve (R) tonnage is calcu-Areal distribution and identified resources are not drawn beyond dotted line because of insufficient data. lated by multiplying the Reserve Base (RB) tonnage by the appropriate recovery factor. Dash indicates no resource in that factor. Dash indicates no resource in that category. Underground Reserves have been calculated for only that part of the Reserve Base that is suitable for underground mining. Reserves have been calculated for a constant thickness of 12 feet for areas where the coal beds are more than 12 feet thick. Therefore, in some instances, underground Reserves may be less than 50 percent of the Reserve Base. 32 36 T. 18 N 3/4-mile radius resources (M) Indicated resources (I) 12 Inferred resources (Inf) 32'30" 18 17 14 16 18 13 Areal distribution and identified resources map of the Fort Union [4] coal bed BOUNDARY LINES - Enclosing areas of measured 22 23 24 (M), indicated (I), and inferred (Inf) coal resources. RB — 0.22 R(50%) To convert feet to meters, multiply feet 0.11 by 0.3048. R(50%) 0.10 0.00 To convert short tons to metric tons, multiply short tons by 0.9072. Inf To convert miles to kilometers, multiply miles by 1.6093. RB R(50%) 0.03 0.01 1.69 0.84 5.25 2.62 27 Inf Inf -/-5 41° 30′ 108° 30′ (ANTELOPE FLATS) 4266 I NE 32'30" Base from U.S. Geological Survey, 1968 SCALE 1:24 000 Compiled in 1977/1978 WYOMING UTM GRID AND 1968 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET This report has not been edited QUADRANGLE LOCATION for conformity with U.S. Geological Survey editorial standards or COAL RESOURCE OCCURRENCE MAP OF THE BITTER CREEK stratigraphic nomenclature.

QUADRANGLE, SWEETWATER COUNTY, WYOMING

BY

DAMES & MOORE

1979

PLATE 6

AREAL DISTRIBUTION AND IDENTIFIED
RESOURCES MAPS OF THE
FORT UNION [1] AND [4] COAL BEDS

AL DISTRIBUTION AN